

REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-10 are presently active in this case, Claims 1 and 4-6 having been amended by way of the present Amendment.

At the outset, the Applicants respectfully request acknowledgement of the consideration of the references cited in the Information Disclosure Statement filed on April 23, 2004.

In the outstanding Official Action, Claims 1-10 were rejected under 35 U.S.C. 102(b) as being anticipated by Irikura et al. (U.S. Patent No. 6,356,021). For the reasons discussed below, the Applicants traverse the anticipatory rejections.

In the Office Action, the Irikura et al. reference is indicated as anticipating each of Claims 1-10. However, the Applicants note that a claim is anticipated only if each and every element as set forth in the claims is found, either expressly or inherently described, in a single prior art reference. *Verdegaal Bros. v. Union Oil Co. of California*, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). As will be demonstrated below, the Irikura et al. reference clearly does not meet each and every limitation of independent Claims 1, 4, and 7.

Claims 1 and 4 of the present application recite, among other features, an electron gun assembly resistor comprising an insulating substrate, a plurality of electrode elements, a resistor element, and a plurality of metallic terminals which include flanges in contact with the electrode elements. The electron gun assembly resistor satisfies  $L1 < L2$ , where  $L1$  is an outer dimension of at least one of the electrode elements, and  $L2$  is an outer dimension of the

flange of the metallic terminal that is connected to the electrode element whose outer dimensions is L1. The Applicants respectfully submit that the Irikura et al. reference does not disclose all of the above limitations.

The Irikura et al. reference describes a built-in resistor for cathode-ray tube which includes an insulating substrate, a resistance layer formed on one main surface of the insulating substrate, a plurality of terminal electrodes mounted on the resistance layer, and a plurality of terminals connected respectively with the terminal electrodes. In the regions of the insulating substrate 21, terminal electrode layers 22A to 22E are located. The terminal electrode layers 22A to 22E are electrically connected with terminals 31A to 31E, respectively. As depicted in Figure 4, each of terminals 31A to 31E is constituted by a cylindrical portion 31a and a flange portion 31b.

As is clearly evident from a review of Figure 4 and the description thereof in the Irikura et al. reference, the outer dimensions of the *flange portion 31b* (not the entirety of the terminals, but the flange portion thereof) of each of the terminals 31A to 31E is smaller than the outer dimensions of the electrode layers 22A to 22E. The Applicants note that the right side of the electrode layers 22A~22E depicted in Figure 4 is exposed because the *flange portion 31b* is not large enough to cover the upper surface of the electrode layers 22A~22E. Accordingly, the Applicants submit that the Irikura et al. reference does not disclose an electron gun assembly resistor that satisfies  $L1 < L2$ , where L1 is an outer dimension of at least one of the electrode elements, and L2 is an outer dimension of the flange of the metallic terminal that is connected to the electrode element whose outer dimensions is L1, as expressly recited in Claims 1 and 4 of the present application. The present application

describes some of the benefits of such a configuration on 8, lines 9-26.

Thus, the Applicants respectfully request the withdrawal of the anticipation rejection of Claims 1 and 4.

Claim 7 of the present application advantageously recites an electron gun assembly resistor comprising, among other features, an insulating substrate, a plurality of electrode elements, a resistor element, an insulating coating layer which covers the resistor element, and a plurality of metallic terminals connected to the electrode elements, respectively, where the metallic terminals are arranged without exposing the electrode elements. The Applicants submit that the Irikura et al. reference does not disclose all of the above limitations.

As noted above, the Irikura et al. reference describes a built-in resistor for cathode-ray tube which includes terminal electrode layers 22A to 22E that are electrically connected with terminals 31A to 31E, respectively. As is clearly evident from a review of Figure 4 and the description thereof in the Irikura et al. reference, the flange portion 31b of each of the terminals 31A to 31E is smaller than the electrode layers 22A to 22E. The Applicants note that the right side of the electrode layers 22A~22E depicted in Figure 4 is exposed because the flange portion 31b is not large enough to cover the upper surface of the electrode layers 22A~22E. Accordingly, the Applicants submit that the Irikura et al. reference does not disclose an electron gun assembly resistor that has metallic terminals being arranged *without exposing the electrode elements*. Clearly, the right side of the electrode layers 22A~22E in Figure 4 are exposed.

Thus, the Applicants respectfully request the withdrawal of the anticipation rejection of Claim 7.

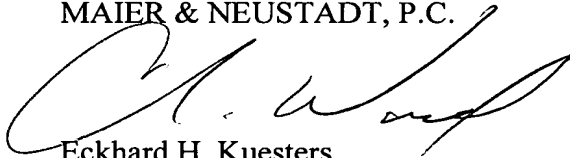
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The dependent claims are considered allowable for the reasons advanced for their respective independent claim. These claims are further considered allowable as they recite other features of the invention that are neither disclosed nor suggested by the applied references when those features are considered within the context of their respective independent claim.

Consequently, in view of the above discussion, it is respectfully submitted that the present application is in condition for formal allowance and an early and favorable reconsideration of this application is therefore requested.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Eckhard H. Kuesters  
Registration No. 28,870  
Attorney of Record

Christopher D. Ward  
Registration No. 41,367

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/01)

EHK:CDW:brf  
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